BR No 61 dt. 3/09/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

rial No. P2434

17341

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Name of Work :- Construction of Bridge over storm water drain at Mareshwara Swamy Temple, Mutyala Nagar in J. P. park Ward No: 17						
	Agency:- Sri. J.C. Prakash.						
	Work order No:- EE/RRND/W.O.No/256/2013-14 at						20-02-14
	Work Code : 017-14-000098						
	Contract Amount: Rs 20,83,676.00						
	Dated Measurement:-						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Item NO: 01 :- Dismantling of Existing Structures like Culverts, Bridges retaining walls and other Structures comprising of masonry etc with all lifts Complete as per Specifications II. By Mechanical means as directed by the Engineer in charge of the work.						
	dismantling SSM wall	2·0	× 12·00	× 0·90	× 1·50	= 32.40 Cum	
			Total Qty to be paid =			32.40 Cum	
	Item NO: 02 :- Dismantling of Existing Structures like Culverts, Bridges Retaining and other Structures etc with all lifts as per Specifications II. By Mechanical means A. Cement Concrete Grade M15 & M20						
	- Bed Concrete for approach	1	× 12·00	× 4·5	× 0·15	= 8.1	
		2	12·00	× 0·60	× 0·10	= 1.44	
						9.54 Cum	
		Total Qty to be paid =				9.54 Cum	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

17345

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ate	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Item No: 03:— Earth work in Excavation for foundation of Structures as per drawing and Technical Specifications etc dressing of sides & bottom and backfilling with approved material Complete as per Specifications Depth upto 3.0m:						
	for bridge portion	1	10.50	(6.5+6.4+6.6)/3	1.00	=	68.25
	for Approach Slab	1	11.00	(10.1+6.20)/2	0.42	=	37.65
	for Retaining wall	1	15.20	0.80	0.80	=	9.73
							115.63 Cum
			Total Qty to be paid =				115.63 Cum
	Item No: 04:— providing and filling in foundation with granite trap broken metal 100mm. and down size, with approved sand including						

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4 Deduct payments

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
Item NO: 04:-	Complete as per specifications						
	for soling	1·0 ×	10·50 ×	6·80 × 0·30 = 21·42 Cum			
				limited to = 21·38 Cum			
		Total Qty to be paid =				21·38 Cum	
Item NO: 05:-	Plain/reinforced Cement Concrete M15 with OPC Cement @ 240 Kgs, with 40mm & down size grade open foundation complete as per drawing and technical specifications.						
	for bed concrete	1	10·50 ×	6·50 × 0·15 = 10·24			
	for approach slab	1	11 ×	$\frac{(6.20+5.60)}{2}$ × 0·15 = 9·74			
	for retaing wall	1	15·20 ×	0·80 × 0·15 = 1·82			
						21·80 Cum	
				limited to		21·38 Cum	
		Total Qty to be paid =				21·38 Cum	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 17346

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ame of work ..... From ..... To .....
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Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Item NO: 08:- Supplying, fitting and placing TMT bar fe415 reinforcement in sub structure complete as per drawing and Technical Specifications Completeness per Specifications.						
	Steel for bottom Slab	Unit	NO's	Length	weight of bar kg/m		Total weight
	top 16mm #	1 -	98 -	5.70 -	1.580 -	=	882.59
	bottom 20mm #	1 -	98 -	5.70 -	2.47 -	=	1379.74
	distribution 12mm #	2 -	37 -	10.50 -	0.890 -	=	691.53
	12mm #	12 -	12 -	1.93 -	0.890 -	=	247.35
	Walls 16mm #	2 -	98 -	4.20 -	1.580 -	=	1300.66
	12mm #	2 -	98 -	3.10 -	0.89 -	=	540.76
	distribution 10mm #	2 -	36 -	10.50 -	0.62 -		466.45
	12mm #	10 -	12 -	1.93 -	0.89 -		206.12

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

17347

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ate	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Item No: 7 :- Design mix M-35 with OPC Cement @ 390kgs with 20mm down size up to 5mm height and as directed by the Engineer in charge of the work.						
	Box portion Side wall	1	10.5	0.45	1.50	= 7.09	Checked Read
		1	10.50	0.45	1.50	= 7.09	
						14.18 Cum	
	Total Qty to be paid = 14.18 Cum.						
	Item No: 10:→ Supplying fitting and placing TMT bar fe 415 reinforcement in Super-structure Complete as per drawing and Technical specifications Complete as per specifications.						

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M. A. R. 57 (Rule 116) **No. B**
Measurement Book

17348

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te	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Item NO: 09:- Furnishing & placing Reinforced / Prestressed Cement Concrete in superstructure as per drawings & Technical specifications with OPC design mix M-35 etc.						
	Top slab	1	10.50	5.1	0.45	= 24.10	Checked Rao
	Haunch portion	2	10.50	0.30	0.30	= 1.89	
	Corbel portion	2	10.50	0.44	0.50	= 5.16	
	Cross barrier	2	5.10	0.34	0.90	= 3.12	
	For retaining wall	1	9.00	0.34	1.83	= 5.60	
						39.87 cum	
				limited to		39.71 cum	
	Total Qty to be paid = 39.71 cum						

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M. A. R. 57 (Rule 116)

Measurement Book

No. B

17351

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...e of work ..... From ..... To .....

...e of Contractor of nature of Agency.....

...e of commencement of work.....

...te	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
11.	R.C.C M30 for Approach Slab	Cum 25	72	11091	285260.52	25.72	285260.52
12.	Providing Filter media	Cum 25	20	986.00	24847.20	25.20	24847.20
3	Back filling behind abutment	Cum 12	60	299	3767.40	12.60	3767.40
4	Providing weepholes in Brick Masonry	Nos 21	00	172	3612	21.00	3612.00
15	Providing & Constructing granite ashlar stone Masonry	Cum 32	26	5570	179665.92	32.26	179665.92
16	Providing & laying P.C.C M15	Cum 1	20	5016	6019.20	1.20	6019.20
				Rs	2068950.30	Rs	2068950.30

Roadwood

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

17352

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e of commencement of work.....

ite	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
					Gross	Bill Amt	2068950=00
						IT —	20690=00
						KST —	89760=00
						FSD —	103450=00
						Cess —	20690=00
						CBF —	2000=00
						Royalty —	39360=00
						Total ded	2,68,950=00
						Net Amt	18,00,000=00

Admitted Rs. 20,68,950=00

Cheque Rs. 18,00,000=00 (Eight

cor lakh only)

Adjustment Rs 2,68,950=00

Case worker

Accounts Superintendent

Exective Engineer

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